

# Table of Contents

<i>Chapter I: Overview of this Plan and its Development</i> .....	<b>1</b>
<b>1   Introduction</b> .....	<b>1</b>
<b>1.1   Goals and Guiding Principles</b> .....	<b>1</b>
1.1.1   Federal Emergency Management Agency Philosophy .....	1
1.1.2   Additional State and Federal Guidelines Adopted.....	2
1.1.2.1   National Fire Plan .....	3
1.1.2.2   Idaho Statewide Implementation Strategy .....	4
1.1.2.2.1   County Wildland Fire Interagency Group .....	4
1.1.2.3   National Association of State Foresters .....	6
1.1.2.3.1   Identifying and Prioritizing Communities at Risk.....	6
1.1.2.3.2   Conceptual Approach.....	6
1.1.2.4   Healthy Forests Restoration Act .....	8
1.1.3   Local Guidelines and Integration with Other Efforts.....	8
1.1.3.1   Payette County Comprehensive Growth and Development Plan.....	8
1.1.3.2   Payette County Fire Mitigation Planning Effort and Philosophy.....	9
1.1.3.2.1   Mission Statement .....	9
1.1.3.2.2   Vision Statement .....	10
1.1.3.2.3   Goals.....	10
<b>Chapter 2: Planning Process</b> .....	<b>11</b>
<b>2   Documenting the Planning Process</b> .....	<b>11</b>
2.1.1   Description of the Planning Process .....	11
<b>2.2   Public Involvement</b> .....	<b>12</b>
2.2.1   News Releases .....	12
2.2.1.1   Radio Messages .....	12
2.2.1.2   Newspaper Articles .....	12
2.2.2   Public Mail Survey .....	13
2.2.2.1   Survey Results .....	13
2.2.3   Committee Meetings.....	16
2.2.4   Public Meetings .....	19
2.2.4.1   Meeting Notices .....	20
<b>2.3   Review of the WUI Wildfire Mitigation Plan</b> .....	<b>20</b>
<i>Chapter 3: County Characteristics &amp; Risk Assessment</i> .....	<b>22</b>
<b>3   Background and Area Description</b> .....	<b>22</b>
<b>3.1   Demographics</b> .....	<b>22</b>
<b>3.2   Socioeconomics</b> .....	<b>24</b>
3.2.1   European Settlement of Payette County .....	27
<b>3.3   Description of Payette County</b> .....	<b>27</b>
3.3.1   Highways .....	28
3.3.2   Rivers.....	28
3.3.3   Temperature .....	28
3.3.4   Recreation .....	29
3.3.4.1   BLM Public Lands .....	29
3.3.4.2   Off-Roading and Motorcycling.....	29
3.3.4.3   Boating .....	29
3.3.4.4   Camping .....	29
3.3.4.5   Fishing and Hunting.....	29

3.3.5	Resource Dependency.....	30
<b>3.4</b>	<b>Growth and Development .....</b>	<b>31</b>
3.4.1	Population.....	31
<b>3.5</b>	<b>Cultural Resources.....</b>	<b>31</b>
3.5.1	National Register of Historic Places .....	33
<b>3.6</b>	<b>Transportation .....</b>	<b>34</b>
<b>3.7</b>	<b>Vegetation &amp; Climate .....</b>	<b>35</b>
3.7.1	Monthly Climate Summaries In or Near Payette County .....	36
3.7.1.1	Payette, Idaho (106891).....	36
3.7.1.2	Weiser, Idaho (109638).....	36
3.7.1.3	Parma Experimental Station, Idaho (106844).....	37
3.7.1.4	Emmett, Idaho (102942) .....	37
<b>3.8</b>	<b>Wildfire Hazard Profiles .....</b>	<b>37</b>
3.8.1	Wildfire Ignition & Extent Profile.....	37
3.8.2	Regional and National Wildfire Profile .....	40
<b>3.9</b>	<b>Analysis Tools and Techniques to Assess Fire Risk.....</b>	<b>43</b>
3.9.1	Fire Prone Landscapes.....	43
3.9.2	Fire Regime Condition Class.....	47
3.9.3	Predicted Fire Severity.....	49
3.9.3.1	Purpose.....	49
3.9.3.2	General Limitations.....	50
3.9.4	On-Site Evaluations .....	50
3.9.5	Fuel Model Descriptions.....	50
3.9.5.1	Grass Group .....	51
3.9.5.1.1	Fire Behavior Fuel Model 1.....	51
3.9.5.1.2	Fire Behavior Fuel Model 2.....	51
3.9.5.1.3	Fire Behavior Fuel Model 3.....	51
3.9.5.2	Shrub Group.....	52
3.9.5.2.1	Fire Behavior Fuel Model 4.....	52
3.9.5.2.2	Fire Behavior Fuel Model 5.....	52
3.9.5.2.3	Fire Behavior Fuel Model 6.....	52
3.9.5.2.4	Fire Behavior Fuel Model 7.....	53
3.9.5.3	Timber Group.....	53
3.9.5.3.1	Fire Behavior Fuel Model 8.....	53
3.9.5.3.2	Fire Behavior Fuel Model 9.....	54
3.9.5.3.3	Fire Behavior Fuel Model 10.....	54
3.9.5.4	Logging Slash Group .....	55
3.9.5.4.1	Fire Behavior Fuel Model 11.....	55
3.9.5.4.2	Fire Behavior Fuel Model 12.....	55
3.9.5.4.3	Fire Behavior Fuel Model 13.....	55
<b>3.10</b>	<b>Wildland-Urban Interface.....</b>	<b>56</b>
3.10.1	People and Structures .....	56
3.10.2	Infrastructure .....	59
3.10.3	Ecosystems .....	60
<b>3.11</b>	<b>Soils and Geology .....</b>	<b>60</b>
3.11.1	Fire Mitigation Practices to Maintain Soil Processes .....	62
<b>3.12</b>	<b>Hydrology .....</b>	<b>62</b>
3.12.1	Fire Mitigation Practices to Maintain Hydrologic Processes .....	63
<b>3.13</b>	<b>Air Quality .....</b>	<b>65</b>
3.13.1	Fire Mitigation Practices to Maintain Air Quality.....	66

<b>Chapter 4: Summaries of Risk and Preparedness .....</b>	<b>68</b>
<b>4 Overview.....</b>	<b>68</b>
<b>4.1 Wildland Fire Characteristics.....</b>	<b>68</b>
4.1.1 Weather.....	68
4.1.2 Topography.....	68
4.1.3 Fuels.....	69
<b>4.2 Payette County Conditions.....</b>	<b>69</b>
4.2.1 County Wide Potential Mitigation Activities.....	70
4.2.1.1 Prevention .....	70
4.2.1.2 Education .....	71
4.2.1.3 Readiness .....	71
4.2.1.4 Building Codes.....	71
<b>4.3 Payette County's Wildland-Urban Interface.....</b>	<b>72</b>
4.3.1 Mitigation Activities Applicable to all Communities .....	72
4.3.1.1 Homesite Evaluations and Creation of Defensible Space .....	72
4.3.1.2 Travel Corridor Fire Breaks .....	72
4.3.1.3 Power Line Corridor Fire Breaks .....	72
<b>4.4 Communities in Payette County .....</b>	<b>73</b>
4.4.1 Vegetative Associations.....	73
4.4.2 Overall Fuels Assessment.....	73
4.4.2.1 Ignition Profile .....	74
4.4.3 Overall Community Assessments .....	74
4.4.3.1 Mitigation Activities .....	75
4.4.4 Individual Community Assessments.....	75
4.4.4.1 Payette.....	75
4.4.4.1.1 Community Specific Mitigation Activities.....	76
4.4.4.2 Fruitland and New Plymouth .....	76
4.4.4.2.1 Community Specific Mitigation Activities.....	76
4.4.4.3 Eastern and Southern Highlands .....	77
4.4.4.3.1 Community Specific Mitigation Activities.....	77
<b>4.5 Fire Fighting Resources and Capabilities .....</b>	<b>78</b>
4.5.1 Wildland Fire Districts.....	78
4.5.1.1 Bureau of Land Management.....	78
4.5.2 Local Fire Districts .....	81
4.5.2.1 Payette City and Rural Fire Department .....	81
4.5.2.2 Fruitland Fire Department.....	83
4.5.2.3 New Plymouth / Sand Hollow Rural Fire Departments .....	86
4.5.2.4 Parma Rural Fire Department .....	88
<b>4.6 Issues Facing Payette County Fire Protection.....</b>	<b>90</b>
4.6.1 Subscription Districts.....	90
4.6.2 Out Growth of Current Rural District Boundaries.....	90
4.6.3 Structural Fires in Sand Hollow Fire District .....	90
4.6.4 Under-sized Facilities .....	91
4.6.5 Water Supply in the WUI .....	91
<b>4.7 Current Wildfire Mitigation Activities in Payette County.....</b>	<b>91</b>
4.7.1 Payette County Ordinance 8-10-6.....	91
<b>Chapter 5: Treatment Recommendations .....</b>	<b>92</b>
<b>5 Overview.....</b>	<b>92</b>
<b>5.1 Possible Fire Mitigation Activities.....</b>	<b>92</b>

<b>5.2 WUI Safety &amp; Policy .....</b>	<b>92</b>
5.2.1 Existing Practices That Should Continue.....	93
5.2.2 Proposed Activities .....	94
<b>5.3 People and Structures .....</b>	<b>95</b>
<b>5.4 Infrastructure .....</b>	<b>99</b>
5.4.1 Proposed Activities .....	100
<b>5.5 Resource and Capability Enhancements .....</b>	<b>100</b>
<b>5.6 Regional Land Management Recommendations.....</b>	<b>102</b>
5.6.1.1 Railroad Right-of-Way .....	102
<b>Chapter 6: Supporting Information .....</b>	<b>103</b>
<b>6.....</b>	<b>103</b>
<b>6.1 List of Tables .....</b>	<b>103</b>
<b>6.2 List of Figures.....</b>	<b>104</b>
<b>6.3 List of Preparers.....</b>	<b>104</b>
<b>6.4 Signature Pages .....</b>	<b>105</b>
<b>6.5 Glossary of Terms .....</b>	<b>107</b>
<b>6.6 Literature Cited .....</b>	<b>114</b>